

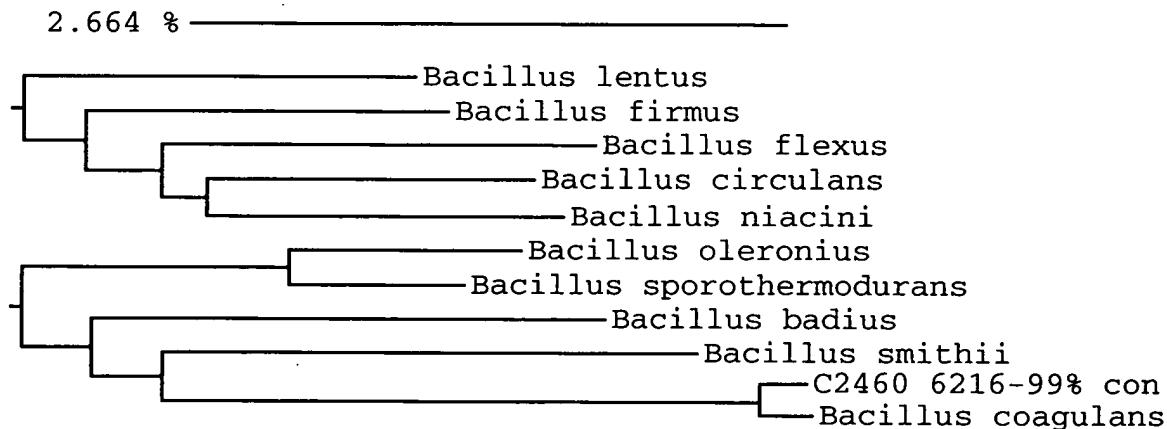


Fig. 6

Inventor: Farmer
 Title: Inhibition of Pathogens by Probiotic...
 Serial No. 09/708,870; Filed: November 8, 2000
 Mintz, Levin, Cohn, Ferris, Glovsky and Popeo
 Telephone: (617) 542-6000

Alignment: 1549 C2460 6216-99% con
 0.65 % 1549 Bacillus coagulans
 4.84 % 1548 Bacillus oleronius
 5.36 % 1550 Bacillus smithii
 5.62 % 1548 Bacillus sporothermodurans
 5.65 % 1551 Bacillus badius
 5.79 % 1547 Bacillus firmus
 5.85 % 1547 Bacillus latus
 5.90 % 1543 Bacillus circulans
 5.95 % 1545 Bacillus niacini
 6.30 % 1548 Bacillus flexus

Neighbor Joining Tree



Concise Alignment

1
 111222222241
 347011256784
 902967240204

C2460 6216-99% con TCGAYTTWTTYC (SEQ ID NO:1; where r = A or G, y = C or T, and w = A or T)
 Bacillus coagulans CTRGCGCACCCG (SEQ ID NO:2; where r = A or G, y = C or T, and w = A or T)

Fig. 6

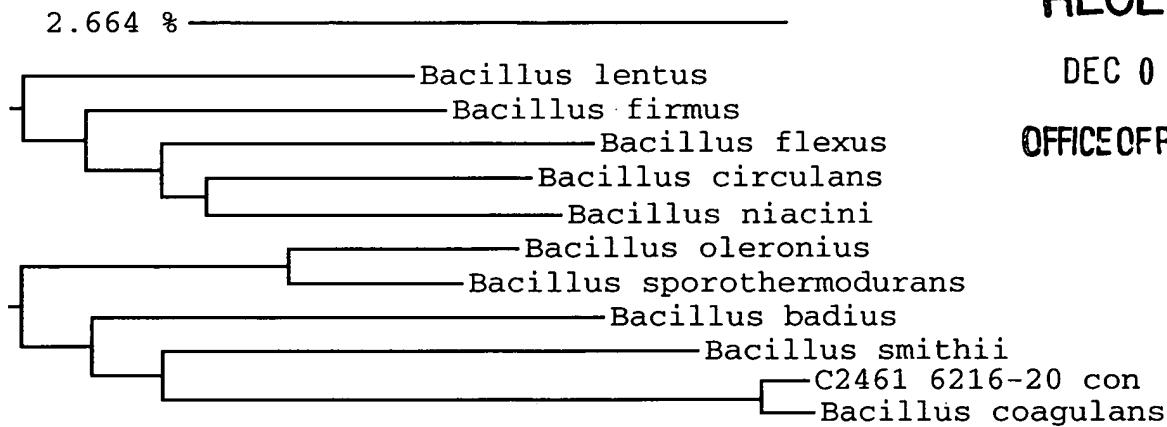


Fig. 7

Inventor: Farmer
 Title: Inhibition of Pathogens by Probiotic...
 Serial No. 09/708,870; Filed: November 8, 2000
 Mintz, Levin, Cohn, Ferris, Glovsky and Popeo
 Telephone: (617) 542-6000

Alignment: 1549 C2461 6216-20 con
 0.65 % 1549 Bacillus coagulans
 4.84 % 1548 Bacillus oleronius
 5.36 % 1550 Bacillus smithii
 5.62 % 1548 Bacillus sporothermodurans
 5.65 % 1551 Bacillus badius
 5.79 % 1547 Bacillus firmus
 5.85 % 1547 Bacillus latus
 5.90 % 1543 Bacillus circulans
 5.95 % 1545 Bacillus niacini
 6.30 % 1548 Bacillus flexus

Neighbor Joining Tree



Concise Alignment

1
 11122222241
 347011256784
 902967240204

C2461 6216-20 con TCGAYTTWTTTC (SEQ ID NO:1; where r = A or G, y = C or T, and w = A or T)
 Bacillus coagulans CTRGCGCACCCCG (SEQ ID NO:2; where r = A or G, y = C or T, and w = A or T)

Fig. 7



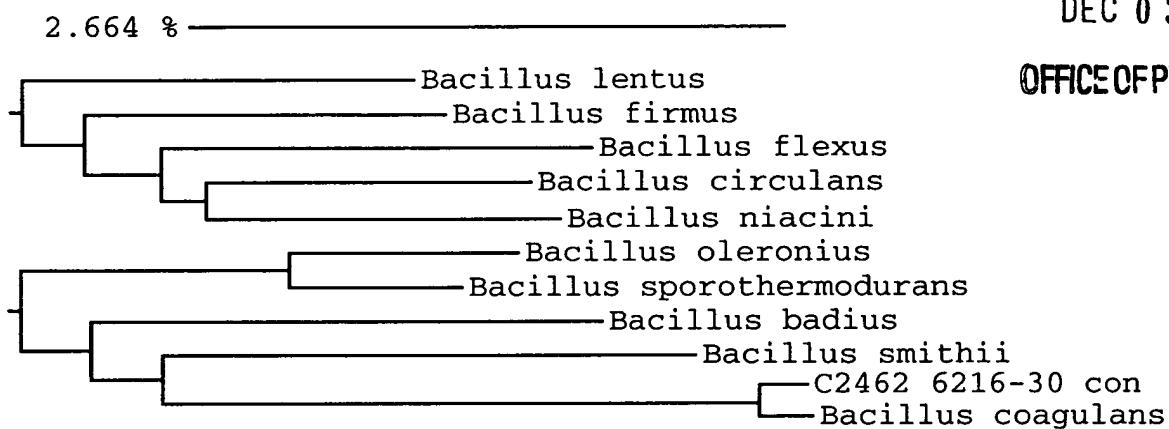
Fig. 8

Inventor: Farmer
 Title: Inhibition of Pathogens by Probiotic...
 Serial No. 09/708,870; Filed: November 8, 2000
 Mintz, Levin, Cohn, Ferris, Glovsky and Pope
 Telephone: (617) 542-6000

Alignment: 1549 C2462 6216-30 con

0.65 %	1549	Bacillus coagulans
4.84 %	1548	Bacillus oleronius
5.36 %	1550	Bacillus smithii
5.62 %	1548	Bacillus sporothermodurans
5.65 %	1551	Bacillus badius
5.79 %	1547	Bacillus firmus
5.85 %	1547	Bacillus lentus
5.90 %	1543	Bacillus circulans
5.95 %	1545	Bacillus niacini
6.30 %	1548	Bacillus flexus

Neighbor Joining Tree



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Concise Alignment

1
 111222222241
 347011256784
 902967240204

C2462 6216-30 con TCGAYTTWTTYC (SEQ ID NO:1; where r = A or G, y = C or T, and w = A or T)
 Bacillus coagulans CTRGCGCACCCG (SEQ ID NO:2; where r = A or G, y = C or T, and w = A or T)

Fig. 8